

# Montana DNRC – Status Update – May 29, 2019

## Project Overview

Aero-Graphics was contracted by the State of Montana DNRC to acquire, process, and deliver aerial Lidar data and derivative products that adhere to USGS specifications. The assigned project areas cover a total of 18,297 square miles located throughout Montana.

## Coordinate System

**Horizontal Datum:** NAD83

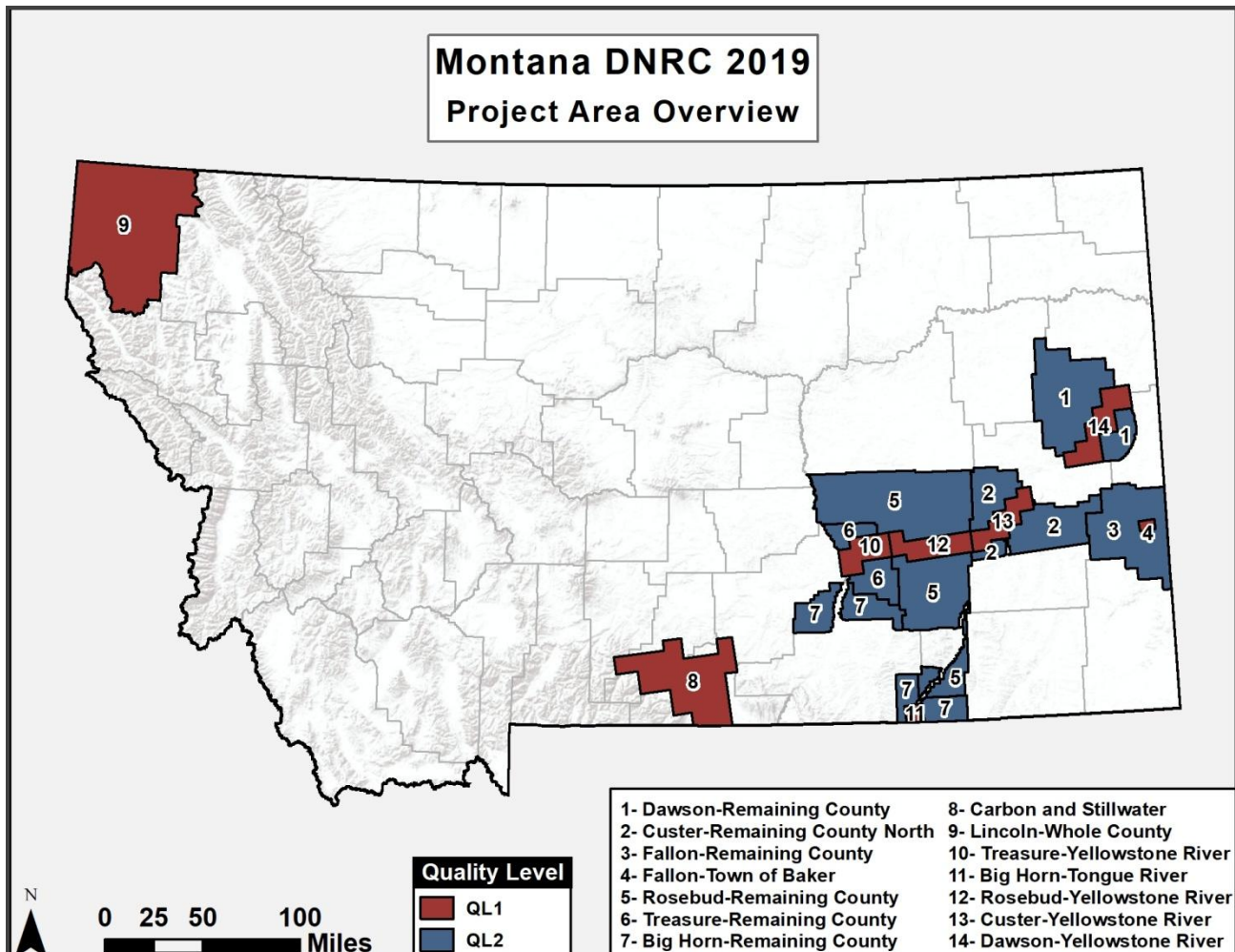
**Vertical Datum:** NAVD88 (Geoid12b)

**Projection:** Montana State Plane - FIPS 2500

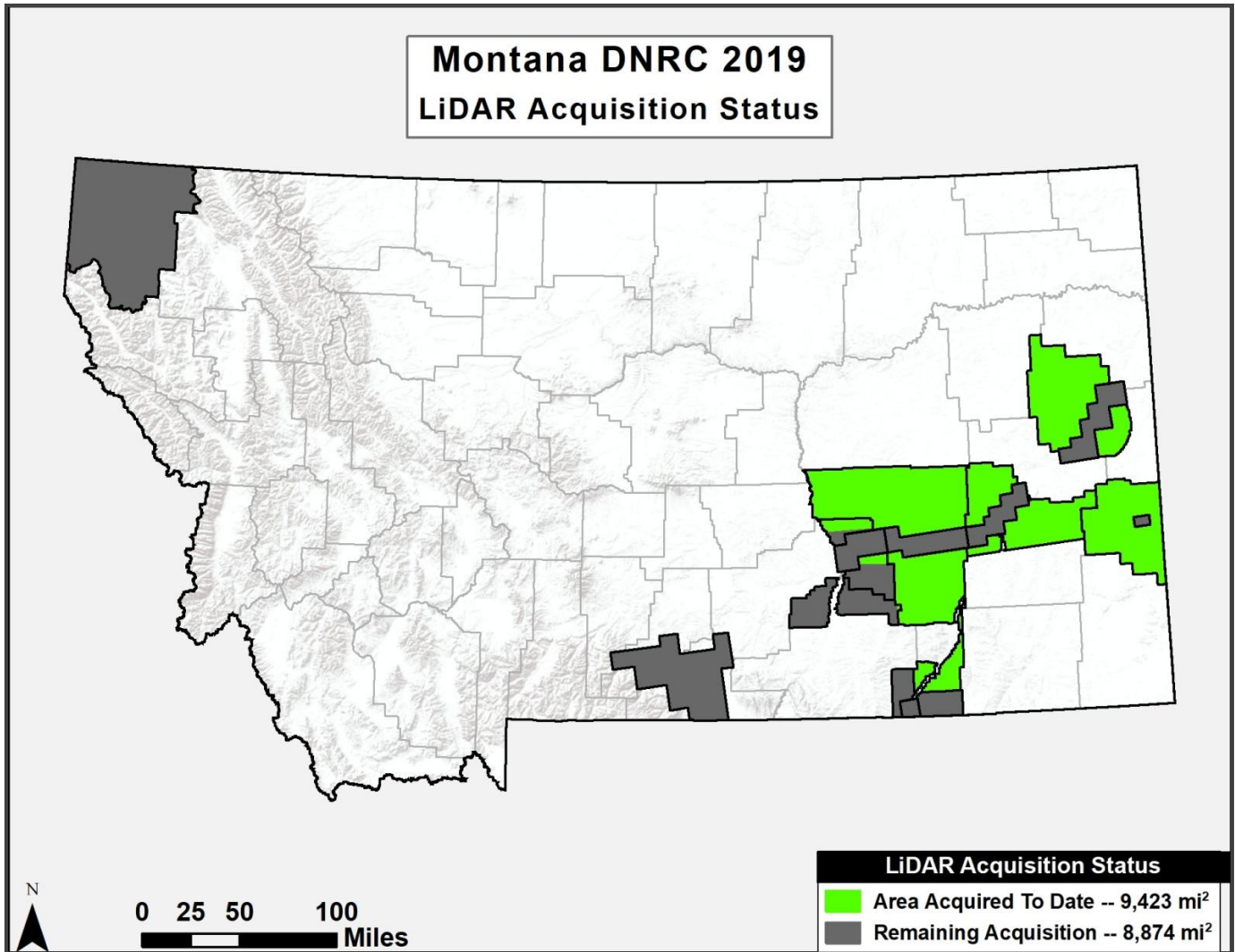
**Units:** Horizontal – Int. Foot | Vertical – US Foot

## Project Deliverables

- Weekly status reports throughout the project
- Calibrated point cloud in LAS 1.4 format
- Classified point cloud in LAS 1.4 format
- Bare-Earth DEMs at a 3' cell size in ESRI-Grid format
- First-Return DEMs at a 3' cell size in ESRI-Grid format
- Intensity Imagery at a 3' cell size in GeoTIFF format
- DTM in ESRI Geodatabase and ASCII formats
- 1' and 2' contours in ESRI Geodatabase format
- Ground control and checkpoints in SHP format
- Bathymetric Survey data including cross-section point listing
- MT Licensed Surveyor Certification and Survey Report
- Technical Project Report in PDF format
- FGDC-compliant metadata in XML format



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### Recent Updates

- LiDAR Acquisition Status: QL2 – Dawson, Fallon, Custer, Rosebud, Counties complete, Treasure in progress  
QL2 – Fallon (Town of Baker) in progress  
Overall 52% complete
- Control Survey Status: Custer/Dawson/Fallon/Rosebud/Treasure Counties– QL1 and QL2 ground control set  
Big Horn County ground control in progress  
Rain and flooding may cause access issues and prevent completion of Big Horn control this week
- Bathymetric Survey Status: Control for Dawson/Custer provided to Stockwell along with cross sections  
Will get remaining control to Stockwell this week  
Stockwell to begin survey the week of June 3